



Ø BEAT



COLO. SPRINGS,
COLORADO

N O V E M B E R 1 9 7 4

NEW LOOK IN ZERO BEAT- Starting this month, Zero Beat will change to a news-letter type of format. ZERO BEAT, as it has been prepared in the past, takes from 16 to 20 hours a month to put together. Because of other commitments, the editor doesnot have this much time anymore to prepare ZERO BEAT and has, in fact, asked to be relieved as editor. At the present time, nobody can be talked into the job, so to continue publishing the paper monthly I have changed the format to cut down the time necessary to prepare it. Another advantage to the newsletter type of format is that more news can be put on fewer pages, thus lowering the printing costs which have doubled over the past year.

NEW OFFICERS FOR PPRAA-The following were elected at the October meeting to two year terms as board of director members: Chuck Myers, WAØZCS; Bart Hayhurst, WAØYOH; Bob Tate, WBØJTZ and Pete Demario, KØUDG. Board members with one year remaining on their term are Russ Ruggieri, WBØGKF; Mike Stansberry, WBØHCK; Dean Jaynes, WAØPJH and James DonCarlos, WØITU. For the coming year club members elected the following officers from the board of directors: President - Mike Stansberry; Vice-President - Chuck Myers; Secretary - Bart Hayhurst and Treasurer - Dean Jaynes.

OCTOBER MINUTES - by Tom McNearny, WBØBOE, Acting Secretary: The meeting was called to order by Vice-President, Mike Stansberry, WBØHCK. A motion made, seconded and carried to accept the minutes as printed in ZERO BEATDean Jaynes, WAØPJH reported a balance of \$141.50 in the treasury, but it was noted that the balance is slightly higher because of club picnic costs being a little lower.....It was reported that the Pikes Peak FM committee returned the check written for the purchase of a frequency counter.....Questions were raised about code practice lessons. There are not any lessons being given at the present, but Bill Krogan, WNØKSW said he would try to start some classes. Billcan be contacted at the downtown Radio Shack store on Pikes Peak Avenue during business hours.....Rosemary Lewis, WAØMNL volunteered to make preparations for the Christmas party this year. The location for the party will be at the American Legion Hall in Manitou Springs and the date will be December 14th. A motion was made to make the admission price to the party \$5.00 a head and to put any profit into the club treasury. The motion was seconded and carried. Reservations are to be made with Rosie.....Election of club officers and board members

ZERO BEAT

Published in the interest of the members of the Pikes Peak Radio Amateur Association, Inc. Colorado Springs, Colorado

R. Charles Smith, WAØZZS
Editor, Phone 635-7353



Address all items and exchanges to:
2611 No. Farragut Avenue
Colorado Springs, Colorado 80907

Permission is granted to reprint articles or excerpts thereof provided full credit is given.

Ed Pompea, KØZPG, Business Manager
2111 Trent Ave. Colo Springs, Co 80909
Phone 635-7554

James DonCarlos, WØITU, Distribution
4118 Garret Place, Colo. Spgs. Co 80907
Phone 598-8930

The PPRAA meets at 7:30 P.M. on the second Wednesday of each month in the Security Savings & Loan Building, East Platte at Union Boulevard.

PPRAA DIRECTORS

PRESIDENT

Mike Stansberry	WBØHCK
2732 E. Monument	475-8650

VICE PRESIDENT

Chuck Myers	WAØZCS
1120 Yosemite Dr,	632-0848

SECRETARY

Bart Hayhurst	WAØYOH
1219 Oswego	635-1632

TREASURER

Dean Jaynes	WAØPJH
116 N. 24th St.	634-7097

BOARD MEMBERS

Pete Demario	KØUDG
1310 Kingsley Dr.	596-3633

James DonCarlos	WØITU
4118 Garret Place	598-8930

Russ Ruggieri	WBØGKF
3929 E. San Miguel	596-3039

Bob Tate	WBØJTZ
4523 Palmer Park	596-5002

was held and the following members were elected: President, Mike Stansberry, WBØHCK; Vice-President, Chuck Myers, WAØZCS; Secretary, Bart Hayhurst, WAØYOH and Treasurer, Dean Jaynes, WAØPJH. Board members are Bob Tate, WBØJTZ; Russ Ruggieri, WBØGKF; James DonCarlos, WØITU and Pete Demario, KØUDG.....A decision was made about the handling of door prizes. A motion was made to issue a "running fund" to the person responsible for the purchase of the prizes. This amount will be \$25.00. The motion was seconded and carried.....The meeting was adjourned at 9:45 PM.

CONSUMERS UNION MAGAZINE COVERS CB - In the October issue of Consumer Reports is a very perceptive article on the "Children's Band" and matters incidental to it. Of interest to amateurs is the firmly expressed opinion that the FCC should not create a new band for CB'ers by taking away space from amateurs! While the original intent was to present an article on equipment, CU found the major item to be looked at was the users of the band, not the gear. While UHF operation is recommended, CU feels the channels should come from the commercial segment of the band and not from the

WALKER ELECTRONICS

New Address

2838 N. Prospect - Colo. Spgs.

Phone 636-1661

WHOLESALE ELECTRONICS TUBES ANTENNAS TEST EQUIPMENT

AUTHORIZED

SYLVANIA
GENERAL ELECTRIC ELECTRONICS

DISTRIBUTOR



AUTHORIZED GENERAL ELECTRIC DISTRIBUTOR

amateur portions. They state: "Amateur radio fulfills useful public service functions, and hams as a class are dedicated, disciplined, and technically competent." (see page 747 of Oct. 7 Consumer Reports)

WR8ABC Newsletter

CHRISTMAS DINNER PARTY - by Rosemary Lewis, WAØMNL: The gala annual Christmas dinner party for PPRAA members, family and friends will be held on December 14th at the American Legion Hut, 36 Washington Avenue, Manitou Springs, Colorado. The party will be co-hosted by PPRAA and Eldon, WAØERA and Rosie, WAØMNL Lewis. The Lounge will open at 5:30 PM with dinner being served at 7:00 PM. Menu will consist of entree, steak, potatoes, relish, vegetable, hot roll, salad, dessert and coffee/tea.

Entertainment will follow the dinner - a 'special' band has agreed to put on their program for us. It is an all female band except for one male. They are special in that they do not play the conventional instruments, but rather the home brew type. Cost for the evening is \$5.00 per person including tax and tip. Rosie requests that reservations be made as soon as possible, making check out to either PPRAA or Eldon Lewis, 36 Washington Ave., Manitou Springs, Colo. 80829. Any questions, phone 685-5757. Eldon and Rosie will be at the November meeting with tickets for the dinner party. A map showing how to get to the American Legion Hut will be printed in the December issue of ZERO BEAT.

A SIMPLE AND EFFECTIVE RTTY TUNING INDICATOR - RTTY tuning indicators take all forms - diagonal lines, crossed lines, wing lines, eye winkers, meters etc. Now here comes the flashing lights! By the use of two diodes and a couple of NE-2 neon lamps, a very effective RTTY tuning indicator may be added to the two tone detector. The merits of this unit should be evident from the following: 1. Low cost, about 50 cents if you have to buy the parts. 2. Easy to install - a few minutes - no circuit changes involved. 3. Minimum of space - two 3/8" holes in the panel. 4. Accurate tuning comparison tests equals all other types. 5. Relative signal levels indicated. 6. Pretty to look at!

The voltage across the complete secondary terminals of the two one type TU detector amounts to approximately 100 volts when a tone is received. By connecting a NE-2 neon lamp across the secondary in series with a diode polarized opposite to that of the detector diode. The neon lamp will light when a tone is received. The lamp draws current on the opposite half-cycles that the detector uses. No noticeable loading is observed.

By connecting one neon lamp to the mark transformer and one across the



HAWKEN KENTUCKY PENNSYLVANIA
CUSTOM MADE

LANGE'S
MUZZLE LOADING GUN SHOP

804 E. FILLMORE
COLORADO SPRINGS, CO 80907

SHOP 471-3268
RES. 598-4971

PERCUSSION/FLINT - RIFLES
PISTOLS - SHOTGUNS - LOCKS
STOCKS, BARRELS - LEATHER GOODS
& ACCESSORIES

EMERY STUDIO

PORTRAITS - COMMERCIAL
PICTURE FRAMING

Don Emery WØDYU

1 Block W. of Academy Blvd. between
Palmer Park Blvd. & Constitution Ave.

3730 E. La Salle Telephone 597-0026

space transformer, they will alternately glow as the mark and space tones are received. At normal signal levels the lamps will glow about full brilliance. If the signal level fades too far they will of course go out. If this happens at the minimum level required for proper operation, what could be better? Tuning in a RTTY signal is quite simple. As one tunes toward a steady carrier, first the space lamp will light, goes out, and then the mark lamp will light. If one has tuned in the right direction when the RTTY signal comes on, space and mark will be at the right tones for RTTY copy.

MINNESOTA MARS NEWSLETTER

KNOW YOUR NEW PRESIDENT - by Rosie, WAØMNL: Mike Stansberry, WBØHCK, new president of PPRAA holds the Advanced Class of license. He was first licensed in 1959, then went into the service and let it lapse. Mike has been a Colorado resident for 8 years. He is married to a gal named Judy and they have a daughter, Michelle. He is employed as a TV technician for Tom's TV Corporation. Mike is manager of the Colorado Code Net...Route manager for Colorado...Liason to regional nets and belongs to TCC (Transcontinental Corporation). Proficient in code, Mike holds the 25 WPM Code Endorsement from ARRL, and needless to say enjoys CW. When asked about fone, Mike replied he operates fone when necessary to get rid of a message.

Heathkiet, Galaxy and Collins equipment are found at his QTH. His keyer is home brew with a Johnson paddle (He says a keyer is the only way to fly!) Mike enjoys working on gear when time permits and also lists photography as a hobby. When asked about his aims and goals as President of PPRAA, Mike said that he wants to promote public service and emergency preparedness and to get the club programs that are amateur radio oriented. Also he wants to have as short a business meeting as possible so that more time can be devoted to programs and just plain visiting with one another.

WORLD'S TALLEST BUILDING GETTING REPEATER? - Amateurs who are employees of Sears in Chicago reportedly have secured permission to install a repeater, WR9ADO on the top of the Sears Tower in the Windy City. Not in operation at present, it is anticipated that the new system will be on about the first of the year, mostly for experimental purposes for several months using older model equipment at temporary locations until everything is perfected for final tower installation.

WR8ABC NEWSLETTER



WE CARRY ONLY THE BEST TO HELP YOU COMMUNICATE !



Wilson



Cush Craft



ascom

Universal Aluminum Towers


KLM

Linnea (WBØLUC) Carnes
Kip (WBØKWV) Carnes

547-3374

553 Camino De Los Ranchos
Pueblo West, Co. 81007



**CW ELECTRONICS
SALES COMPANY**

"It Speaks for itself"
signal/cw

John WAØADV

DISTRIBUTORS OF ELECTRONIC EQUIPMENT

THE ROCKY MOUNTAIN AREA'S LEADING
SUPPLIER OF AMATEUR RADIO EQUIPMENT

AUTHORIZED FACTORY SERVICE

STORE HOURS

Monday-Friday: 8:30 am - 6 pm
Saturday: 8:30 am - 5:30 pm

1401 BLAKE ST., Corner of SPEER BLVD & BLAKE ST
DENVER, COLO. 80202 PHONE 244-5523

FREE PARKING ACROSS STREET FROM STORE

COLORADO YL CHRISTMAS LUNCHEON - by Rosie Lewis, WAØMNL: The Colorado YL Christmas Luncheon will be held December 14th at the Monument, Colorado Country Club. Take Exit #73. The club is located on the east side of Interstate 25, back of the Western Motel. This is also Colorado YL Election and is a good chance to get together with all the gals interested in amateur radio. We'll have a \$2.00 gift exchange. The entree for the luncheon is breast of chicken and the cost will be \$3.50 per person.

FOR SALE: TR-22 with mobile mount, crystals and carrying case. Only two months old and hardly used - \$175.00. Allied 2516 receiver with matching speaker - \$85.00. Also have an Astatic D-104 mike with stand - \$15.00. Mike Ringenberger, WBØLGB. Phone 632-8205.

FOR SALE: Tri-X 40 foot tower, complete, \$60.00. Also a CDR TV type rotator, well used, \$10.00. Leroy Smith, WBØLTV. Phone 472-2475 (business) or 495-2857 (home).

FOR SALE: Heath SB220 Linear, Heath Monitor Scope, Heath Station Console. 14AVQ verticle antenna with 80 meter coil, Mosley TA-33 antenna, Sorenson voltage regulator. Travis, WBØGTH.

WANTED: Automatic keyer, WNØMDI. Phone 475-1498

PRESIDENT'S REPORT - by Mike Stansberry, WBØHCK: First I'd like to thank all of you who voted me in as club president and I assure you I'll do my best for the club. We had our first board of directors meeting the middle of last month. Chuck Myers, WAØZCS was elected as chairman. The committee members were selected, and a full list will appear in next month's ZERO BEAT. The board of directors voted to recommend to the club an increase in dues as follows: Full member from \$3.00 to \$6.00; Associate member from \$2.00 to \$4.00; and additional family members from \$1.00 to \$2.00.

I hope, during the next year, to get the club programs back to items pertaining to Amateur Radio, and to develop an awareness within the club for public relations and emergency preparedness. There are several persons who have put forth some good ideas for public relations, and we will work on this more later. Don Carlos, WØITU volunteered to take the program this month and will give a presentation entitled "Bridges and Things, or How to Stuff a Voice Channel". It should prove to be a very interesting program. See you all at the meeting!

INFLATION HITS HAM PAPERS - The increased costs of getting out all kinds of papers and magazines is staggering, and getting worse. For example, this is what is happening to the magazines we read: QST is going from \$7.50 to \$9.00 per year, CQ from \$6.00 to \$7.50, 73 from \$7.00 to \$8.00, and HR hasn't announced their raise yet. Postage is scheduled to just about triple again. These same factors are hitting the small club papers hard, and I have noted that some are reacting by either cutting the size of their mailing lists or the size of the paper (or folding completely).

My pitch is this! Please don't downgrade your papers, or let your magazine subscriptions lapse. What you may not realize is that all of these publications are probably the strongest element keeping clubs together and going, and in fact keeping ham radio alive and advancing. Don't vote down the very small raise in dues that may be necessary to keep the paper up. Get a few of the local merchants to contribute with an ad, or get a few more donations for your next auction, or best of all, enroll some more new members.

CCRC CIRCLE



Ø BEAT

COLO. SPRINGS,
COLORADO



NOVEMBER
1974

ZERO BEAT

James DonCarlos
4118 Garret Place
Colorado Springs, Co 80907



FIRST CLASS MAIL

D & M ELECTRONIC SUPPLY

715 N. Weber Street
P.O. Box 1777, Colorado Springs, Colo 80901
Phone: 633-4666

Wholesale Radio, TV, Parts, Tubes, Batteries
Industrial Electronics, Test Equipment

Bearcat Scanners
UHF - Low and High Bands
Home - Mobile - Portable
All Models in Stock

AUTHORIZED

RCA

DISTRIBUTOR

ELDON LEWIS, WABERA
ROSIE LEWIS, WAØMNL
36 WASHINGTON AVE.
MANITOU SPGS, 80829